

GENERAL PLAN REQUIREMENTS FOR
PUBLIC IMPROVEMENT PROJECTS

DC1-001 GENERAL. All plans and reports submitted shall be prepared by, or under the direction of and sealed by a professional engineer licensed in the state of Kansas, and shall be reviewed by the city for compliance with the minimum design requirements as established in the Design Criteria Manual for Public Improvement Projects of the City of Gardner and with all other applicable city codes and standards.

Attention is directed to the design engineer that whenever extraordinary or unusual problems are encountered in conjunction with a proposed project, additional information and analysis beyond the minimum requirements of these standards and criteria will be required.

The City of Gardner is not responsible for the accuracy and the adequacy of the design or dimensions and elevations as depicted on the plans (which shall be confirmed and correlated at the site of the work). The City of Gardner, through the approval of the plans and/or report, assumes no responsibility for the completeness and/or accuracy of the public improvement plan or report.

DC1-002 REQUIRED NOTES. The following general notes will be required as a minimum on all plan submittals for public improvement projects. These notes are not meant to be all-inclusive, and in certain situations the use of additional notes may be required by the City Engineer.

- A. Development plans and stormwater management studies are approved initially for one (1) year after which they automatically become void and must be updated and re-approved by the City Engineer before any construction will be permitted.
- B. The City of Gardner plan review is only for general conformance with City of Gardner design criteria and the city code. The city is not responsible for the accuracy and adequacy of the design, or dimensions and elevations which shall be confirmed and correlated at the job site. The City of Gardner, through approval of this document, assumes no responsibility other than that stated above for the completeness and/or accuracy of this document.
- C. The contractor shall have one (1) signed copy of the plans (approved by the City of Gardner) on the title sheet and one (1) copy of the appropriate Design and Construction Standards and Specifications at the job site at all times.

- D. Construction of the improvements shown or implied by this set of drawings shall not be initiated or any part thereof undertaken until the City Engineer is notified of such intent, and all required and properly executed bonds and contract agreements are received and approved by the City Engineer.
- E. The City of Gardner technical specifications, latest edition, shall govern construction of this project.
- F. All existing utilities indicated on the drawings are according to the best information available to the engineer; however, all utilities actually existing may not be shown. Utilities damaged through the negligence of the contractor to obtain the location of same shall be repaired or replaced by the contractor at his expense.
- G. All backfill shall be tamped. Backfill within the right-of-way shall be to 95 percent (95%) compaction at optimum moisture.
- H. All excavation beneath streets shall be backfilled with CA-5 rock to four feet (4') back of curb. If cover over pipe is less than 2 feet, use CA-5 to 6" above top of pipe, then removable flowable fill to bottom of asphalt pavement.
- I. Contractor shall not be allowed to work on Sundays. Holiday or Saturday work shall be as approved by the City Engineer.
- J. All water required for the construction of this project shall be purchased from the city Utilities Department through the use of a fire hydrant water meter. Meters can be obtained from the Utilities Department for a nominal deposit, refundable upon the return of the meter.
- K. Relocation of any water line, sewer line or service line thereof required for the construction of this project shall be the responsibility of the contractor at his expense.
- L. The contractor shall install 12 gauge copper wire along all water lines that are not ductile iron pipe to facilitate underground marking and location. Connection shall be made to all valve risers as a minimum, whereas other connection points such as hydrants, flushing assemblies, existing line ends or meter pits may occasionally be required. Splicing shall be held to a minimum and will not be allowed between valve risers. Split bolt connectors or service connectors shall be used to splice points to properly connect and maintain electric continuity throughout the system. Before project acceptance, the city will test the electric continuity of all installations at no cost to the contractor.
- M. All sanitary sewer stublines shall be laid on 1.00% grade unless approved otherwise. If necessary, risers shall be installed so that stubs are no deeper than 8 feet below final grade.

- N. Manholes, junction boxes, and valves shall be placed outside of all pavement and proposed and future sidewalks.
- O. The contractor shall install and properly maintain a mechanical plug at all connection points with existing sanitary sewer lines until such time that the new line is tested and approved.
- P. To prevent damage to main sewer lines, all blasting required for laterals stub lines shall be performed during blasting for the main line.
- Q. A pre-blast survey shall be submitted to and approved by Public Safety prior to the initiation of blasting operations.
- R. All sidewalks shown are for information purposes only unless specifically noted in the plans. Sidewalks shall not be built as a part of this project; however, contractor shall be responsible for sidewalk ramp construction. All existing sidewalks shall be maintained and remain open to pedestrian traffic when possible. If sidewalks are closed, temporary sidewalks may be required as directed by the City Engineer. The duration of closure shall be approved by the City Engineer.
- S. A minimum of one (1) compaction test and a maximum of two (2) compaction tests shall be performed by a qualified testing laboratory for every 1000 feet of street construction. Soil samples for such tests shall be collected by laboratory technicians. All testing laboratory expenses shall be paid for by the contractor.
- T. If precast concrete storm sewer structures are to be used on this project, the contractor shall, subsequent to review by the design engineer, submit shop drawings and have them approved by the city engineer prior to fabrication of the structures. Failure to do so shall be cause for rejection.
- U. Monument boxes conforming to Standard Detail 13-5 shall be installed at all quarter section corners as involved in the street construction. All monuments disturbed or removed during construction shall be replaced by the contractor at his expense.
- V. Where a new street is to connect to an existing street, all deteriorated or cracked asphalt within five feet (5') of the connection point shall be removed to a depth where sound material is found. If full depth pavement removal is required, the subgrade shall be recompacted to 95 percent (95%) of standard maximum density. All connections to existing streets shall be neatly saw cut to full depth.
- W. Erosion control measures will be required to be installed prior to any grading or construction activities.

- X. All projects which disturb a cumulative area of more than one acre will be temporarily seeded and mulched to the requirements of Section “7200 Seeding and Sodding” immediately after street construction (paving) is complete. Regardless of cumulative area, established yards shall be revegetated with the same vegetation if disturbed during construction. It is the responsibility of the contractor to notify property owners 48 hours in advance prior to performing any activities that will alter their yard.
- Y. No open cut of streets is allowed unless approved by the City Engineer. A traffic plan prepared per MUTCD guidelines shall be submitted and approved by the City Engineer prior to construction. Unless otherwise approved by the City Engineer, one lane shall be open at all times or flashing sign boards posted a minimum of 5 days prior to construction.
- Z. Steel fence T-posts (6’) are required at all manholes, clean outs, valves, hydrants, and flushing assemblies until development occurs.
- AA. Proof-rolling of the road base is required prior to placement of concrete curb and gutter or asphaltic street paving materials. The contractor shall proof-roll the subgrade with a fully loaded tandem axle dump truck, while being observed by the city’s representative. All soft or spongy areas shall be dug out, recompact and proof rolled again until the city’s representative is satisfied that the subgrade is stable.

DC1-003 APPROVAL BLOCK. A signature block shall be required on the cover sheet of all plans or reports submitted for review and approval. All plans require the signature of the City Engineer and the date of such signing for formal approval by the city.

The general form of the approval block shall be as follows:

APPROVED	
City Engineer	Date
APPROVED FOR ONE YEAR FROM THIS DATE	

DC1-004 PRIVATE IMPROVEMENTS. Private improvements, if any, shown on public improvement plans, shall be clearly defined and marked as such. These improvements will not be maintained by the City of Gardner and, as such, an appropriate note shall be included on the drawings. These improvements nonetheless shall be designed and constructed to city standards.